START

0023893

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution BUILDING: 450 Hills

FROM: W. L. Johnson CHAIRMAN: W. L. Johnson

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	3000	Day	September 28, 1992 October 5, 1992	8

M. R. Adams	H4-55	EPA	B5-01
M. V. Berriochoa	B3-30	P. Beaver	
H. D. Downey*	L4-92	P. T. Day	
J. K. Erickson	A5-19	D. R. Einan	
W. F. Heine	B2-35	D. A. Faulk*	
G. C. Henckel	H4-55	L. Gadbois	
R. E. Lerch	B2-35	P. S. Innis*	
R. G. McLeod	A5-19	D. R. Sherwood	
P. M. Pak	A5-19		
J. K. Patterson	L4-92	Ecology	fax
J. T Stewart	A5-20	J. Donnelly	
R. K. Stewart*	A5-19	L. Goldstein	
T. M. Wintczak	L4-92	R. L. Hibbard	
R. D. Wojtasek	L4-92	D. Goswami	
EDMC	H4-22	J. Phillips*	
Field File Custodian	H4-55	D. D. Teel	
ERAG Route			
WLJ File/LB			

*Attendees

The weekly interface meetings on the expedited response actions (ERAs) was held to status the ERAs for the U.S. Department of Energy, Richland Field Office and the regulators. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated. Weekly reports are also attached.

All eight ERAs were discussed and their status summarized. On September 25, 1992, copies of the North Slope ERA Waste Control Plan and the Riverland SAP were distributed for review.

Attachments:
1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report, 9/25/92
5. Expedited Response Action Weekly Report, 10/2/92
6. North Slope ERA Waste Control Plan

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
September 28, 1992 & October 5, 1992

DECISIONS:

AGREEMENTS:

Nothing of any significance

COMMITMENTS:

DOE Representative

EPA Representative

ECOLOGY Representative

WHC Representative 10/5/92

WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: October 5, 1992

- GENERAL ISSUES
  - ERA Interface Action Item review

- INDIVIDUAL PROJECT STATUS
  - 618-9 Burial Ground
    - o Project is complete!
  - 200-W Carbon Tetrachloride
    - o Site characterization status
    - o Operations status (12 hour operations at 100 cfm)
    - o Procurement (contract award has been made)
    - o Integrated demonstration activities
  - Sodium Dichromate
    - o EE/CA review cycle
  - Riverland
    - o Project plan (SAP) comments?
    - o Sampling tentatively scheduled for October 26, 1992
  - Pickling Acid Crib
    - o SAP under development
  - 618-11 Burial Ground
    - o Historical photos
  - N-Spring
    - o Project plan submitted
  - Wahluke Slope
    - o Revised SAP
    - o Sampling scheduled for October 12, 1992
    - o GPR complete

- OTHER ISSUE

- SUMMARY OF ACTION ITEMS

- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
October 5, 1992

ORGANIZATION	ACTION ITEM
WHC	WHC will provide RL, EPA, and Ecology copies of the GPR reports for Riverland, Sodium Dichromate, and Pickling Acid ERA sites when they become available. (open) *North Slope report was provided on 10/5/92.*
WHC	WHC to develop a draft plan for removal and storage of oil soaked soil at the grease rack. (open) Draft plan provided at the 9/28/92 meeting.
WHC	WHC will forward copies of the Proposed ERA Site Selection document to the information repositories. All future correspondence and documents concerning the selection of new ERAs will also be sent to the information repositories. (*closed*)
WHC	Provide photographs of 618-11 for the regulators. (*closed*)
WHC	Provide descriptional best method to incorporate 618-10 into 618-11 ERA. (open)
WHC	Provide notice for Riverland sampling (date). (*closed*) *Sampling is tentatively scheduled for 10/26/92.*
WHC	WHC will provide updated information to the WIDS database on the 618-9 Burial Ground. In addition, WHC will prepare a letter documenting the completion of activities at 618-9 and recommending a proposed method for documenting the project completion to EPA.
EPA/Ecology/RL	Assess the feasibility of a complete parallel review for the Sodium Dichromate EE/CA and provide a decision by 10/19/92.

Weekly Report, Week Ending September 25, 1992
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - The State of Washington Department of Ecology has expressed interest in obtaining split samples from the landfill investigation. Ecology stated that an October 7, 1992, start date would give them adequate time to prepare. Field preparation activities continue in support of this sampling effort.

Pickling Acid Crib Expedited Response Action - Ground penetrating radar and electromagnetic work was conducted at the cribs to delineate depth and attempt to locate feeder lines. Reports will be provided by early October.

Riverland Railroad Site Expedited Response Action - The Riverland NEPA will not be ready in September. Revised NEPA documentation has been provided to RL. Approval of the categorical exclusion to NEPA will probably not be obtained until mid to late October.

Sodium Dichromate Expedited Response Action - Completed field characterization activities associated with the Sodium Dichromate sample trenches. The trenching operation uncovered numerous crushed barrels including one labeled "Sodium Dichromate Crystals," another labeled "Container is a product of British Malaysia," and one with a pipe welded to it. Most of the barrels were left in the trenches. Four lab samples and eleven field screening samples were collected. Still photographs and video were taken of the initial trenching operations and completed trenches.

N-Springs Expedited Response Action - A draft project plan for the N-Springs ERA has been prepared. This plan has been reviewed by RL and WHC. A final revision of the document is scheduled to be provided to the U.S. Environmental Protection Agency and Ecology by the end of September.

618-9 Burial Ground Expedited Response Action - Work continues to progress toward waste disposal at the 618-9 Burial Ground. The sample analyses used to designate the waste in the burial boxes was reviewed and modified by the analytical laboratory due to misidentification of radionuclides. The Burial Disposal records have been modified to correct the radionuclide content.

Shipment of drums and boxes from the site began this week. Even with delays due to high winds, most of the waste has been delivered to the Central Waste Complex/Low Level Burial Ground, and will be completed within the next two weeks.

One piece of lead found will be designated mixed waste, and will require repackaging. Another piece of lead, which was used in the late 40's, early 50's as source shielding appears to be of historical interest, and will be offered to the B-Reactor Museum.

The fence is being taken down to facilitate site revegetation.

Carbon Tetrachloride Expedited Response Action/Volatile Organic Compounds - Arid Integrated Demonstration (PE4AA) -

Baseline Monitoring

High pressure (29.3 and 29.4 in Hg) yielded some of the lowest sample values in months. On September 17, 1992, only two sample locations had volatiles detectable with a OVM. An Odyssey chlorinated hydrocarbon monitor was used at selected sites. One station near 216-Z-18 did detect 0.1 ppm chlorinated hydrocarbons. At 216-Z-9 one well had 4 ppm chlorinated hydrocarbons. On September 21, 1992, only two stations had volatiles detectable with a OVM.

Installation of packers in three wells now allow independent monitoring of the upper and lower screened intervals. These intervals have been added to the baseline monitoring network.

ERA Implementation

VES operations continue on a 12 hour schedule. The radon monitors have been recalibrated and one (the one between the GAC canisters) was reinstalled to provide more accurate determination of the mass balance of radon through, and loaded onto, the GAC canisters. This data together with a continuous air sampler (paper type) record will be utilized to assure that no man made radionuclides have been loaded on the GAC canisters. This data will provide the documentation necessary to obtain DOE approval for shipment of the canisters to the regenerator.

A meeting is scheduled with the Site Hazardous Waste Shipper on September 28, 1992, to determine the requirements for preparing the Chemical Waste Disposal Request for shipment of the GAC canisters to the regeneration facility.

The new process control system for the VES is expected by October 26, 1992. Two of the three new carbon tetrachloride instruments is expected in two weeks, the third is expected in four weeks.

The contact review board has completed the review of the documentation for procurement of the new VES, affirmative EEO notification was received, and the contract has been awarded.

A routine verification of the Odyssey carbon tetrachloride monitor readings, with a GC, detected an error in the measurement of the VES inlet carbon tetrachloride concentrations. Tubing to a pressure equilibrating chamber for the inlet carbon tetrachloride monitor (the monitor cannot draw a representative sample from a vacuum source) was found to be too small to assure accurate readings. It is not clear how long this problem has persisted, but in any case the concentrations previously reported were somewhat lower than actual which means that the amount of carbon tetrachloride being removed is actually higher than previously reported.

The coolers for the vacuum blower outlet to the GAC canisters was installed with good success. With blower outlet temperatures of 180°F and ambient temperatures of 70-75°F, the cooler outlet temperature is 71-78°F. When air-to-air cooler outlet temperatures approach to less than 5°F of the ambient temperature, they are demonstrating a very high efficiency. It is planned to use these coolers to heat the process air come winter.

Operational Date	Disposal Facility	Amount of CCl_4 Removed (lb)	Average CCl_4 Conc. (ppm)	Total Operational Time (hr)	Average Flowrate (SCFM)
8/13 - 8/19	216-Z-1A	65	420	42	160
8/19 - 8/25	216-Z-1A	125	583	47	190
8/26 - 9/3	216-Z-1A	79.34	459	32	210
9/3 - 9/9	216-Z-1A	21.3	580	9	175
9/10 - 9/16	216-Z-1A	73.82	560	36.5	175
9/17 -9/23	216-Z-1A	66	500	36.3	150
Totals		430.46	500	202.8	175
GRAND TOTAL		1094.17			

Weekly Report, Week Ending October 2, 1992
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - The landfill sampling activities have been delayed until October 12, 1992, to accommodate Ecology. Ecology requires representatives to be present to obtain split samples during the landfill investigation.

The number and location of characterization holes at each landfill has been revised (increased) to resolve comments from the EPA and Ecology. Also, a minimum of ten samples will be analyzed according to CLP Protocol with the remaining sample analyses performed using SW-846 protocols.

A draft waste control plan is being reviewed by the regulatory agencies. The plan specifies the method(s) by which investigation derived wastes are controlled.

Pickling Acid Crib Expedited Response Action - Geophysical reports are due to WHC in October.

Riverland Railroad Site Expedited Response Action - NEPA documentation for the characterization work is in the signature process at RL.

Sodium Dichromate Expedited Response Action - An additional sample pit sampled the "slab-like" anomaly identified by the geophysical data. The anomaly is a natural geological feature with no visible indication of contamination. A soil sample was collected for analysis. Work continues on the engineering evaluation/cost analysis.

N-Springs Expedited Response Action - The project plan for the N-Springs ERA incorporating RL and WHC comments has been completed. The document has been provided to RL for transmittal to the regulatory agencies.

618-9 Burial Ground Expedited Response Action - Work at the 618-9 Burial Ground is complete. The fence has been removed and the area revegetated. One lead brick remains, and is being stored in a radioactive materials storage area awaiting waste designation.

Carbon Tetrachloride Expedited Response Action/Volatile Organic Compounds - Arid Integrated Demonstration

CCl_4 Site Characterization - The fiscal year (FY) 1992 Site Characterization Report was delivered to RL on September 30, 1992, meeting a key milestone for the VOC-Arid ID and ERA. This report provides the status and accomplishments of characterization activities for FY-92. It also includes or references all available data that will not be contained in a separate report.

The Draft FY-93 Site Characterization Work Plan, due September 30, 1992, was revised to incorporate technical review comments by September 30, 1992. This report provides the work plan for FY-93 site characterization activities for both the ERA and the VOC-Arid ID. It will be finalized by November 30, 1992, after funding levels and Principal Investigator needs have been established.

<u>CCl_4 Vapor Extraction System (VES) Operations</u> - The award for procurement of the new VES was made to Barnebey & Sutcliffe on September 25, 1992. The negotiated delivery is 22 weeks after receipt of order (ARO) which translates to February 25, 1993.

Preparation of the Chemical Waste Disposal Request for shipment of the GAC canisters to the regeneration facility is being completed by personnel from the Site Hazardous Waste Shippers office (Solid/Liquid Waste). It had been planned to send five test GAC canisters from early VES activities to the 616 Building for disposal as hazardous waste, but the facility is full. Therefore, it is now planned to send them to Envirotrol for regeneration, along with the larger canisters. It must be noted that until RL issues a waiver against the moratorium for off-site waste shipments, these canisters cannot be sent for regeneration. Sample results from the Radon Test are needed to prepare the letter to RL for the waiver.

The specification for acquisition of the 500 cfm lease vapor extraction unit is in preparation. It is planned to be issued by September 16, 1992.

VES operations continue on a 12 hour schedule. Radon monitoring data is being collected and analyzed to determine whether there is a correlation on the fate of radon in the process by which it can be used to predict breakthrough of the activated carbon.

Preparation activities were initiated for performing vapor extraction at the 216-Z-9 Crib with the new 500 cfm lease unit, then with the larger 1500 cfm unit when it arrives. PFP management have been contacted to inform them of these plans; and the Environmental Project Safety Documentation Organization is assisting in coordinating the necessary revisions to the VES ERA Safety Assessment Document and PFPs Safety Analysis Report. Geosciences has been contacted requesting input for preparation activities setting up the wellfield for extraction.

Approval of the excavation permit for the public relations sign for the project has been received and forwarded to the appropriate construction personnel.

Operational Date	Disposal Facility	Amount of CCl_4 Removed (lb)	Average CCl_4 Conc. (ppm)	Total Operational Time (hr)	Average Flowrate (SCFM)
8/13 - 8/19	216-Z-1A	65	420	42	160
8/19 - 8/25	216-Z-1A	125	583	47	190
8/26 - 9/3	216-Z-1A	79.34	459	32	210
9/03 - 9/09	216-Z-1A	21.3	580	9	175
9/10 - 9/16	216-Z-1A	73.82	560	36.5	175
9/17 - 9/23	216-Z-1A	66	500	36.3	150
9/24 - 9/30	216-Z-1A	77.3	661	30	158
Totals		507.76	550	232.8	180
Grand Total		**1171.47**			

NORTH SLOPE EXPEDITED RESPONSE ACTION
FIELD INVESTIGATION WASTE CONTROL PLAN

1.0 INTRODUCTION

This plan presents the methods to be followed in controlling wastes generated during field investigation activities associated with the North Slope Expedited Response Action (ERA). Field investigation activities are described in WHC-SD-EN-TPP-01, WHC-SD-EN-AP-099 and WHC-SD-AP- . The sampling activities include obtaining surface soil samples and, sub-surface soil samples using a hollow-stem auger and hand augers. Samples taken will be analyzed using field screening techniques to determine if hazardous contaminants are present. If field screening indicates presence of hazardous constituents, a sample will be collected for off-site analysis using SW-846 protocol (EPA level III analysis).

2.0 SCOPE

This waste control plan applies to all wastes generated during sample collection activities. Cuttings from hollow-stem auguring are expected to make up the majority of waste generated. Other wastes include decontamination water, waste materials generated by field screening techniques and miscelaneous other wastes such as sampling gloves and paper towels.

3.0 FIELD DESIGNATION/HANDLING OF WASTES

The generation of hazardous wastes during sampling activities is not anticipated but is possible due to the nature of the materials being investigated. Wastes materials having the potential for containing hazardous substances, such as drill cuttings from the use of the hollow-stem auger, will be field screened using a portable organic vapor monitor (OVM). If the OVM or other field screening instruments indicate the presence of contamination significantly above background levels (i.e. In the case of the OVM, 10 ppm above background at a distance of 12 in above the waste material) the waste will be drummed and designated suspect hazardous waste. A sample of the material will be collected for off-site analysis. The waste will be stored on-site until appropriate disposal actions are determined based on analytical results, and the action memorandum is issued for the ERA.

A central storage facility for all wastes generate during the ERA field investigation activities will be selected. It is anticipated that the central storage facility will be located near the H-83-L Nike missile site as this area is in the wildlife refuge, out of site from the main road, and is off-limits to the public and requires a key for vehicle access. A conex box or other lockable storage facility is available if additional security is required.

Each container will be labeled according to WHC-CM-7-7 EII 4.2.

The State of Washington Department of Ecology, as lead regulatory agency, is requested to concur with the proposed plan prior to initiation of field activities. In addition, DOE and EPA concurrence is also desired. By concurring below all parties agree with this plan allowing the field investigation activities to proceed.

ECOLOGY REPRESENTATIVE	EPA REPRESENTATIVE
DOE-RL REPRESENTATIVE	WHC REPRESENTATIVE